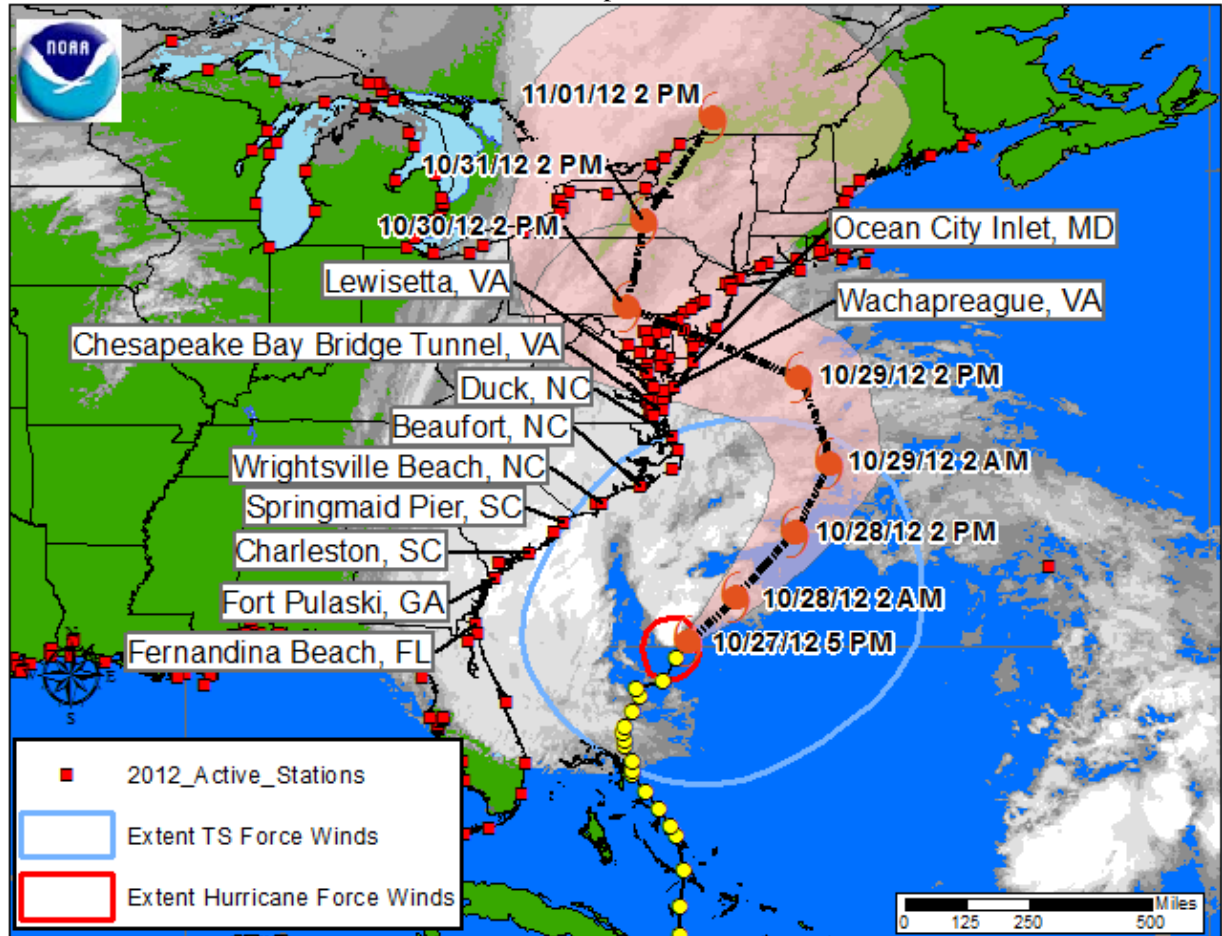




Hurricane SANDY QuickLook  
Posted: 18:00 EDT 10/27/2012

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 10/27/2012 18:00 EDT, water levels from northeast Florida to Maryland are elevated. Water level residuals from Florida to South Carolina are oscillating with the tide and at present are 0 to 0.5 feet above tidal predictions. However, water levels of 1.5 to 3 feet above tidal predictions have been observed over the past 12 hours at many locations across this region. Water levels from North Carolina to Maryland, including southern Chesapeake Bay are slowly rising and range from 0.8 to 1.7 feet above tidal predictions.

Winds from Florida to South Carolina range from 10 to 20 knots with some gusts between 25 and 30 knots. Wind speeds from North Carolina to the Chesapeake Bay Bridge Tunnel, VA are rising and range from 15 to 30 knots with some gusts to 40 knots. Barometric pressure is falling from northern Florida to Maryland.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Hurricane SANDY QuickLook, POSTED 18:00 EDT 10/27/2012

Fort Pulaski, GA: Next predicted high tides are 7.4 ft (2.26 m) at 10/27/2012 19:18 EDT and 8.0 ft (2.48 m) at 10/28/2012 07:35 EDT.

Charleston, SC: Next predicted high tides are 5.7 ft (1.75 m) at 10/27/2012 19:10 EDT and 6.2 ft (1.92 m) at 10/28/2012 07:29 EDT.

Springmaid Pier, SC: Next predicted high tides are 5.5 ft (1.67 m) at 10/27/2012 18:41 EDT and 5.9 ft (1.82 m) at 10/28/2012 07:03 EDT.

Wrightsville Beach, NC: Next predicted high tides are 4.2 ft (1.29 m) at 10/27/2012 18:30 EDT and 4.8 ft (1.49 m) at 10/28/2012 06:53 EDT.

Beaufort, NC: Next predicted high tides are 3.4 ft (1.03 m) at 10/27/2012 19:00 EDT and 3.8 ft (1.18 m) at 10/28/2012 07:29 EDT.

Duck, NC: Next predicted high tides are 3.4 ft (1.03 m) at 10/27/2012 18:41 EDT and 4.0 ft (1.23 m) at 10/28/2012 07:05 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 2.7 ft (0.82 m) at 10/27/2012 19:38 EDT and 3.2 ft (0.98 m) at 10/28/2012 08:02 EDT.

Lewisetta, VA: Next predicted high tides are 1.5 ft (0.45 m) at 10/28/2012 01:02 EDT and 1.6 ft (0.50 m) at 10/28/2012 13:23 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.2 ft (0.68 m) at 10/27/2012 19:14 EDT and 2.5 ft (0.78 m) at 10/28/2012 07:41 EDT.

Fernandina Beach, FL: Next predicted high tides are 6.6 ft (2.02 m) at 10/27/2012 20:05 EDT and 7.2 ft (2.22 m) at 10/28/2012 08:26 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 22  
NWS NATIONAL HURRICANE CENTER MIAMI FL AL182012  
500 PM EDT SAT OCT 27 2012

...HIGH WIND WATCHES AND WARNINGS ARE IN EFFECT FOR THE MID-ATLANTIC STATES  
AND SOUTHERN NEW ENGLAND...  
...SIGNIFICANT STORM SURGE IS ALSO EXPECTED...

SUMMARY OF 500 PM EDT...2100 UTC...INFORMATION  
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LOCATION...30.2N 75.2W

ABOUT 335 MI...540 KM ESE OF CHARLESTON SOUTH CAROLINA

ABOUT 345 MI...555 KM S OF CAPE HATTERAS NORTH CAROLINA

MAXIMUM SUSTAINED WINDS...75 MPH...120 KM/H

PRESENT MOVEMENT...NE OR 35 DEGREES AT 13 MPH...20 KM/H

MINIMUM CENTRAL PRESSURE...961 MB...28.38 INCHES

#### WATCHES AND WARNINGS

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A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* SOUTH SANTEE RIVER SOUTH CAROLINA TO DUCK NORTH CAROLINA

\* PAMLICO AND ALBEMARLE SOUNDS

\* BERMUDA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* SAVANNAH RIVER TO SOUTH SANTEE RIVER

IN ADDITION...HIGH WIND WARNINGS ARE IN EFFECT FOR PORTIONS OF SOUTHEASTERN VIRGINIA. HIGH WIND WATCHES ARE IN EFFECT FOR MUCH OF THE MID-ATLANTIC STATES AND SOUTHERN NEW ENGLAND. SEE STATEMENTS FROM LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES.

INTERESTS THROUGHOUT THE MID-ATLANTIC STATES AND NEW ENGLAND SHOULD MONITOR THE PROGRESS OF SANDY.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 500 PM EDT THE CENTER OF HURRICANE SANDY WAS LOCATED ABOUT 335 MI ESE OF CHARLESTON SOUTH CAROLINA AND ABOUT 345 MI S OF CAPE HATTERAS NORTH CAROLINA. SANDY IS MOVING TOWARD THE NORTHEAST NEAR 13 MPH AND THIS GENERAL MOTION IS FORECAST TO CONTINUE THROUGH SUNDAY. A TURN TOWARD THE NORTH IS FORECAST SUNDAY NIGHT...FOLLOWED BY A TURN TOWARD THE NORTH- NORTHWEST ON MONDAY. ON THE FORECAST TRACK THE CENTER OF SANDY WILL MOVE PARALLEL TO THE SOUTHEAST COAST OF THE UNITED STATES THROUGH THE WEEKEND...AND APPROACH THE COAST OF THE MID-ATLANTIC STATES LATE MONDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 75 MPH WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT COUPLE OF DAYS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 105 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 520 MILES. NOAA BUOY 41013...LOCATED ABOUT 35 MILES... SOUTH-SOUTHEAST OF CAPE LOOKOUT NORTH CAROLINA RECENTLY REPORTED A SUSTAINED WIND OF 47 MPH AND A WIND GUST OF 58 MPH.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 961 MB...28.38 INCHES.

#### HAZARDS AFFECTING LAND

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WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE TROPICAL STORM WARNING AREA IN THE CAROLINAS WITHIN THE NEXT FEW HOURS...AND SPREAD NORTHWARD TONIGHT AND SUNDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREAS THROUGH TONIGHT. GALE FORCE WINDS ARE EXPECTED TO ARRIVE ALONG PORTIONS OF THE MID-ATLANTIC COAST BY LATE SUNDAY OR SUNDAY NIGHT AND REACH LONG ISLAND AND SOUTHERN NEW ENGLAND BY MONDAY MORNING. WINDS TO NEAR HURRICANE FORCE COULD REACH THE MID-ATLANTIC STATES...INCLUDING LONG ISLAND...BY LATE MONDAY.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

FL EAST COAST NORTH OF CAPE CANAVERAL...1 TO 2 FT  
NC SOUTH OF SURF CITY...1 TO 3 FT  
NC NORTH OF SURF CITY INCLUDING PAMLICO/ALBERMARLE SNDS...3 TO 5 FT  
SE VA AND DELMARVA INCLUDING LOWER CHESAPEAKE BAY...2 TO 4 FT  
UPPER AND MIDDLE CHESAPEAKE BAY...1 TO 2 FT  
OCEAN CITY MD TO THE CT/RI BORDER...4 TO 8 FT  
LONG ISLAND SOUND...RARITAN BAY...AND DELAWARE BAY...4 TO 8 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. GIVEN THE LARGE WIND FIELD ASSOCIATED WITH SANDY...ELEVATED WATER LEVELS COULD SPAN MULTIPLE TIDE CYCLES RESULTING IN REPEATED AND EXTENDED PERIODS OF COASTAL AND BAYSIDE FLOODING. IN ADDITION... ELEVATED WATERS COULD OCCUR FAR REMOVED FROM THE CENTER OF SANDY. FURTHERMORE...THESE CONDITIONS WILL OCCUR REGARDLESS OF WHETHER SANDY IS A TROPICAL OR POST-TROPICAL CYCLONE. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR EASTERN NORTH CAROLINA...WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE MID-ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE. RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES ARE POSSIBLE ACROSS PARTS OF SOUTHERN NEW YORK INTO NEW ENGLAND.

SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH THE CAROLINAS FOR THE NEXT COUPLE OF DAYS AND SPREAD INTO THE MID- ATLANTIC AND NORTHEASTERN STATES BY SUNDAY.

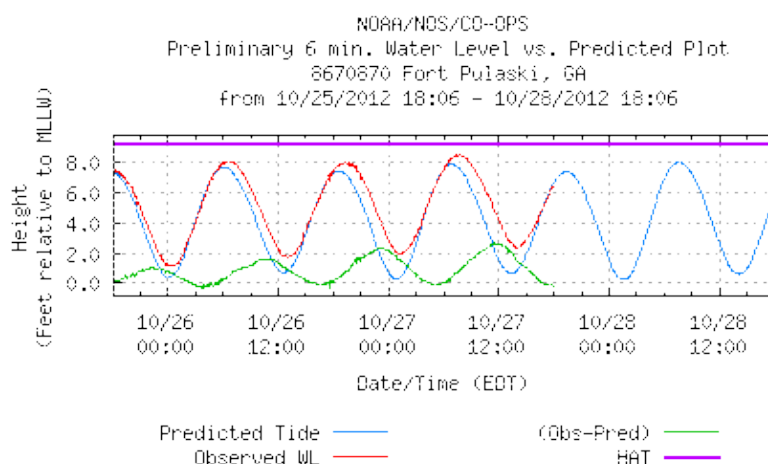
FORECASTER BROWN

## Hurricane SANDY QuickLook, POSTED 18:00 EDT 10/27/2012

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Lewisetta - Water Level](#), [Lewisetta - Winds](#), [Lewisetta - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#),

Fort Pulaski, GA - Return to List

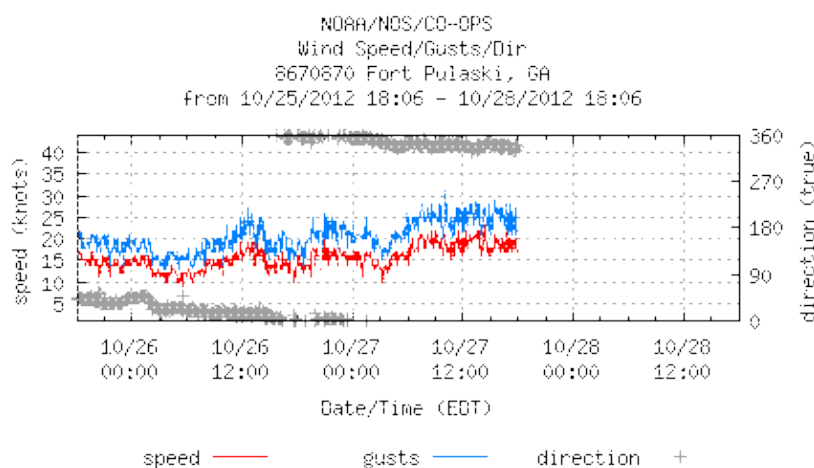


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 6.46 ft.** **Predicted: 6.60 ft.** **Residual: -0.14 ft.**

Historical Maximum Water Level: Oct 15 1947, 3.4 ft. above MHHW

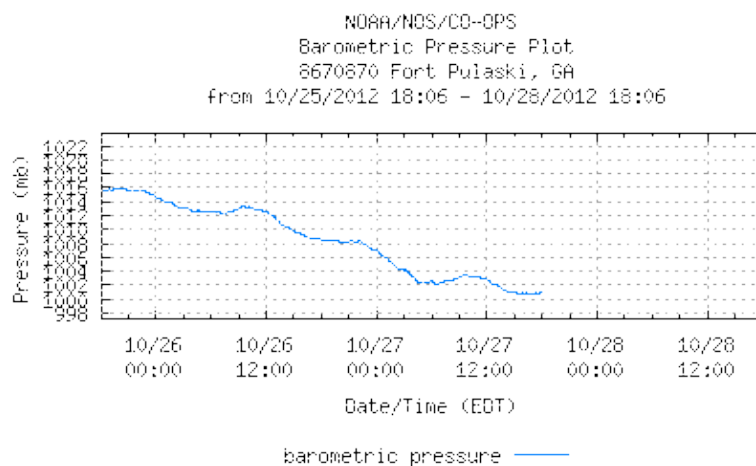
Fort Pulaski, GA - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

**Wind Speed: 17 knots** **Gusts: 22 knots** **Direction: 336° T**

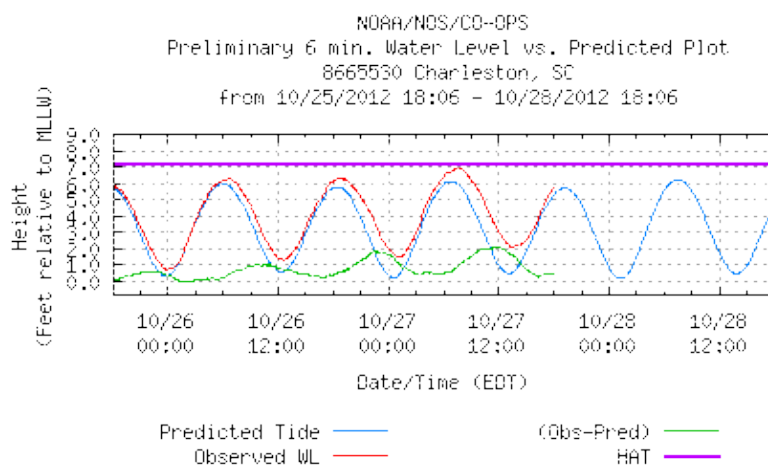
Fort Pulaski, GA - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 1001.0 mb

Charleston, SC - Return to List

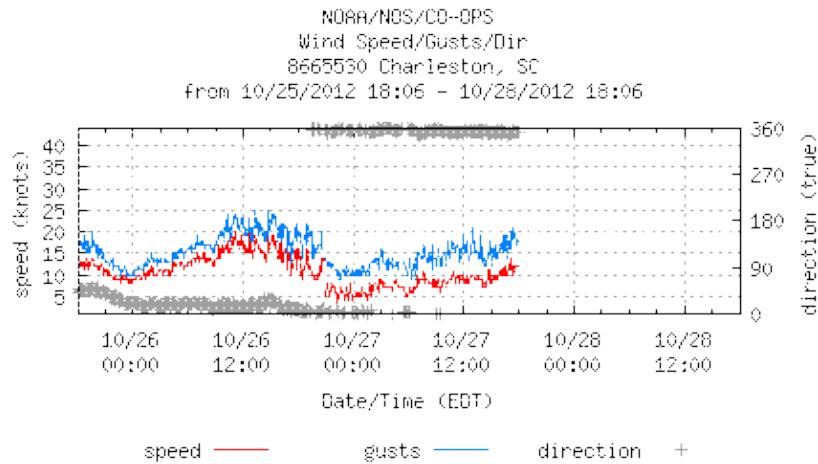


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 5.73 ft.** **Predicted: 5.25 ft.** **Residual: 0.48 ft.**

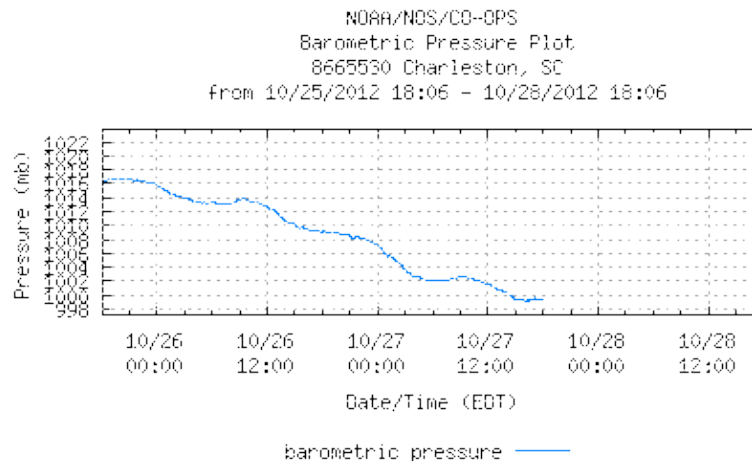
Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

[Charleston, SC - Return to List](#)



Last Observed Sample: 10/27/2012 17:54 (EDT)  
Wind Speed: 12 knots Gusts: 18 knots Direction: 352° T

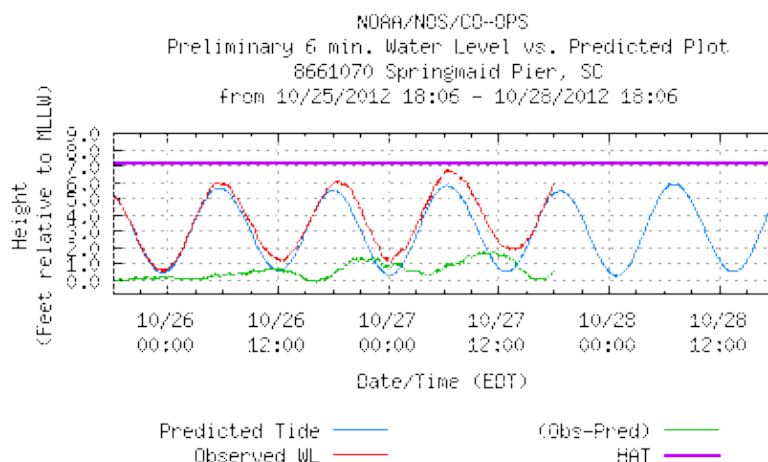
[Charleston, SC - Return to List](#)



Last Observed Sample: 10/27/2012 17:54 (EDT)  
Barometric Pressure: 999.5 mb



Springmaid Pier, SC - Return to List

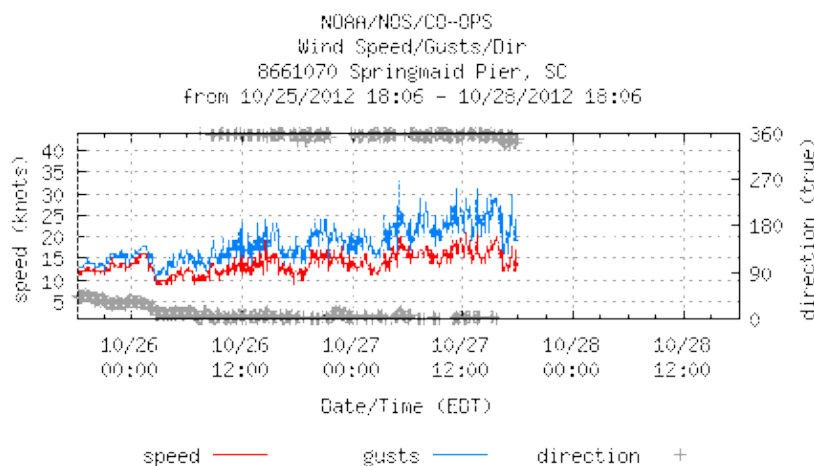


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 5.82 ft.** **Predicted: 5.28 ft.** **Residual: 0.54 ft.**

Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

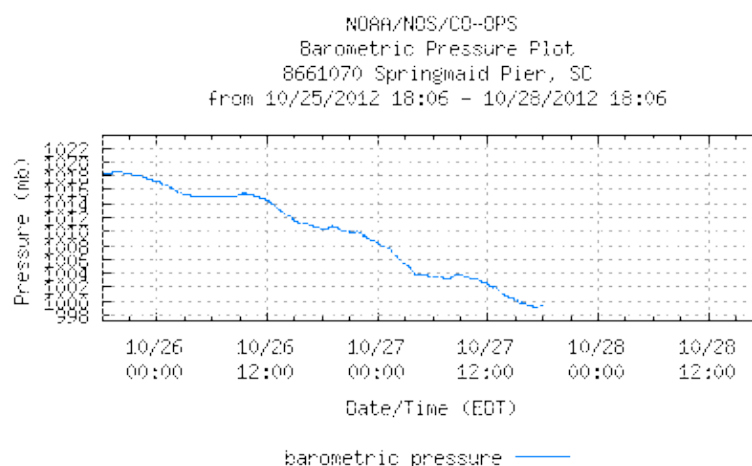
Springmaid Pier, SC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

**Wind Speed: 14 knots** **Gusts: 19 knots** **Direction: 348° T**

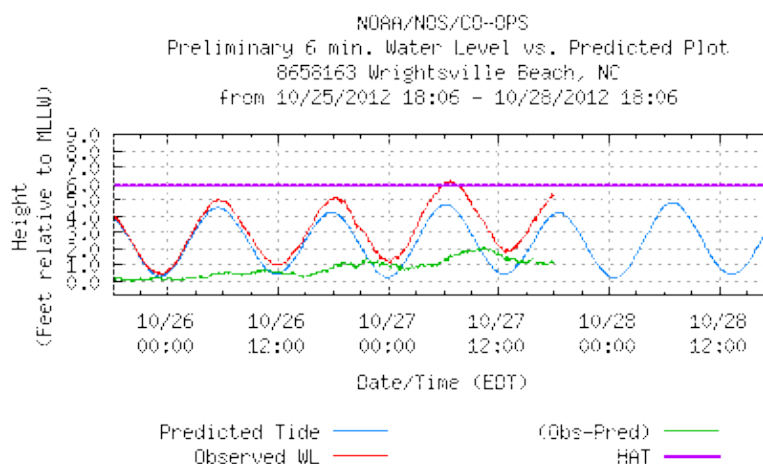
Springmaid Pier, SC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 999.5 mb

Wrightsville Beach, NC - Return to List

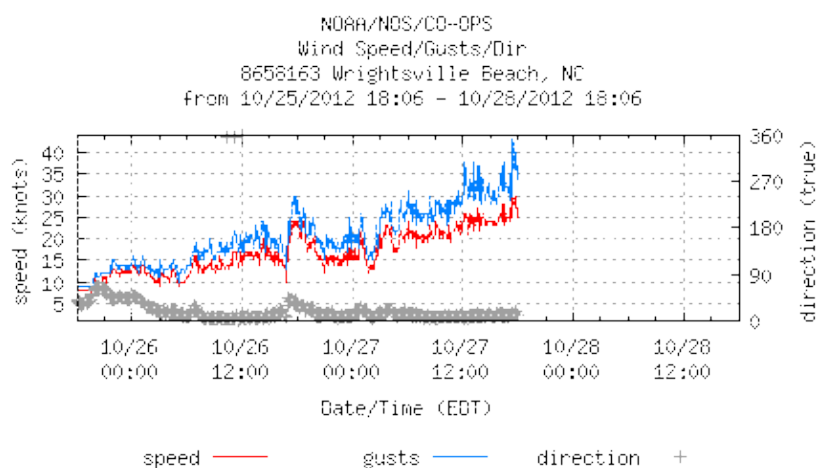


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 5.23 ft.** **Predicted: 4.11 ft.** **Residual: 1.12 ft.**

Historical Maximum Water Level: Sep 25 2008, 2.81 ft. above MHHW

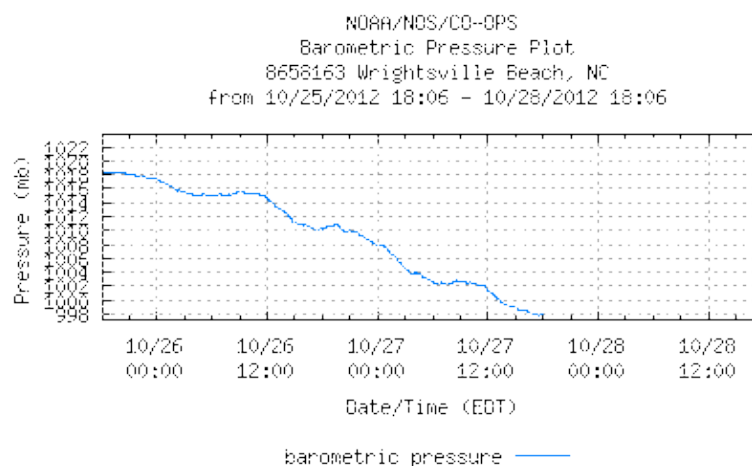
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Wind Speed: 25 knots Gusts: 34 knots Direction: 11° T

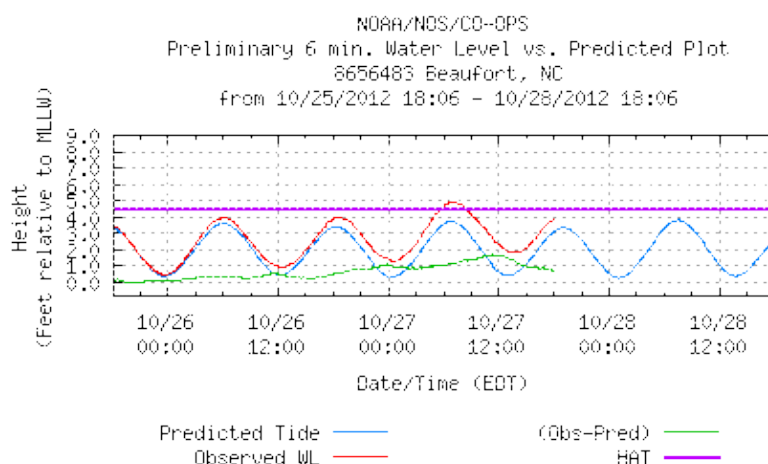
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 998.0 mb

Beaufort, NC - Return to List

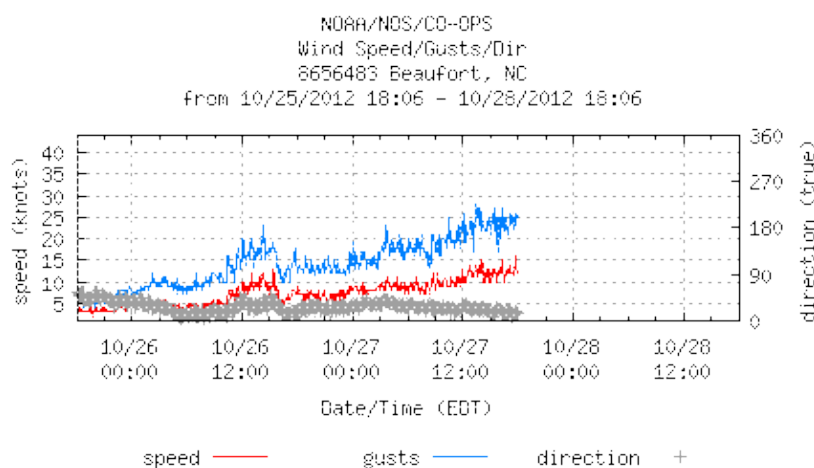


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 3.82 ft.** **Predicted: 3.09 ft.** **Residual: 0.73 ft.**

Historical Maximum Water Level: Sep 14 2005, 3 ft. above MHHW

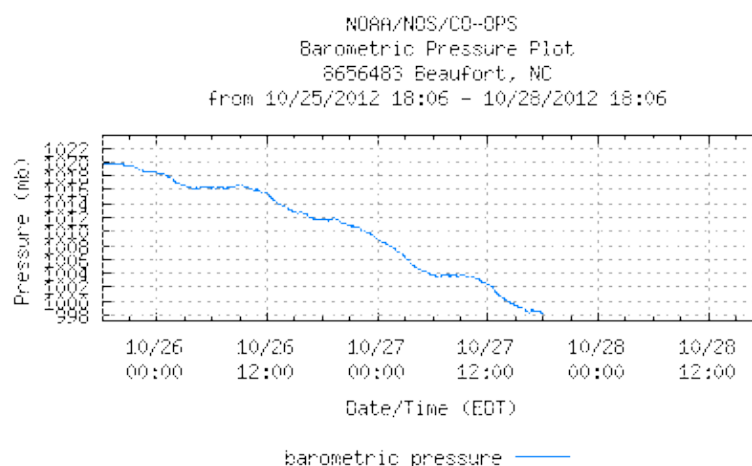
Beaufort, NC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

**Wind Speed: 12 knots** **Gusts: 25 knots** **Direction: 13° T**

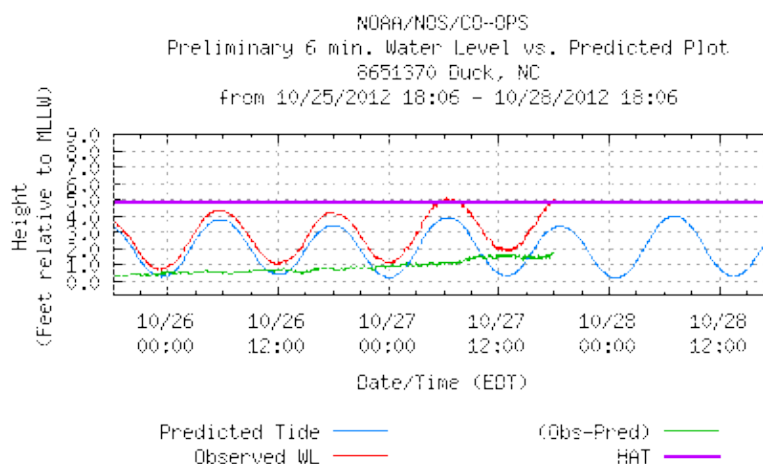
Beaufort, NC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 998.2 mb

Duck, NC - Return to List

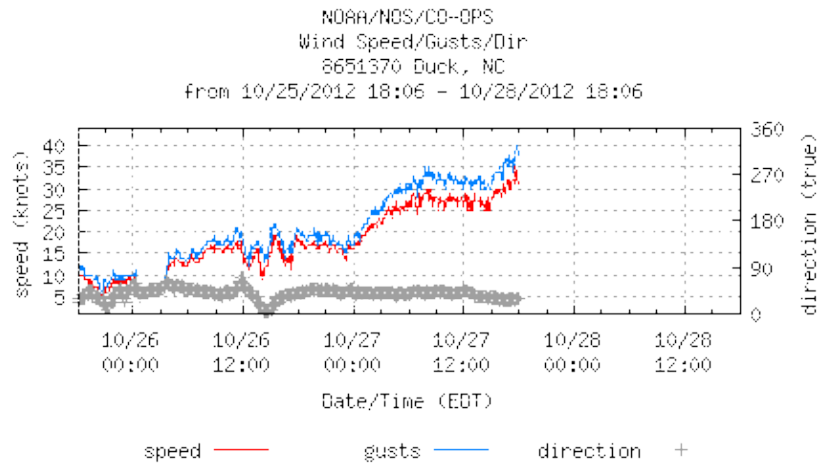


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 5.02 ft.** **Predicted: 3.27 ft.** **Residual: 1.75 ft.**

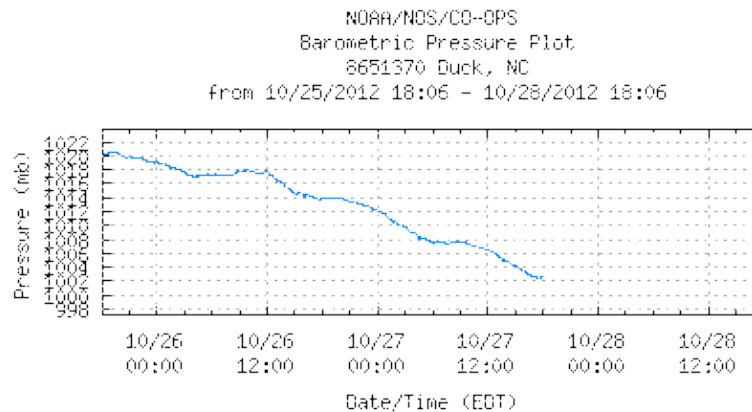
Historical Maximum Water Level: Sep 18 2003, 4.13 ft. above MHHW

Duck, NC - Return to List



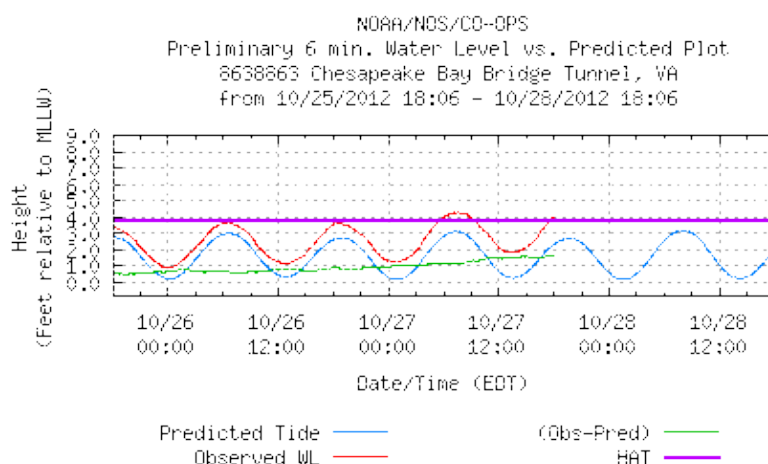
Last Observed Sample: 10/27/2012 17:54 (EDT)  
Wind Speed: 31 knots Gusts: 38 knots Direction: 28° T

Duck, NC - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)  
Barometric Pressure: 1002.7 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List

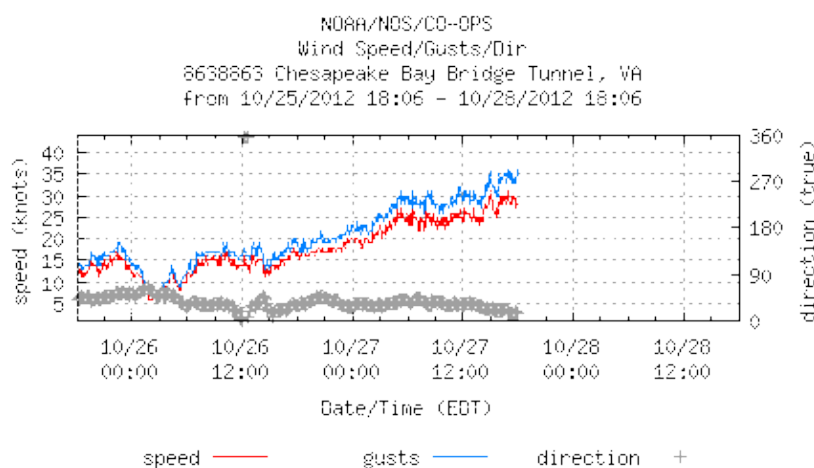


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 3.97 ft.** **Predicted: 2.30 ft.** **Residual: 1.67 ft.**

Historical Maximum Water Level: Nov 12 2009, 4.66 ft. above MHHW

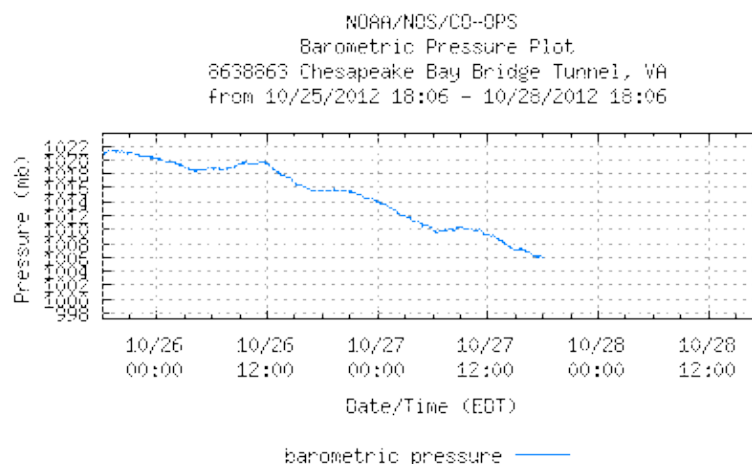
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

**Wind Speed: 28 knots** **Gusts: 36 knots** Direction: 16° T

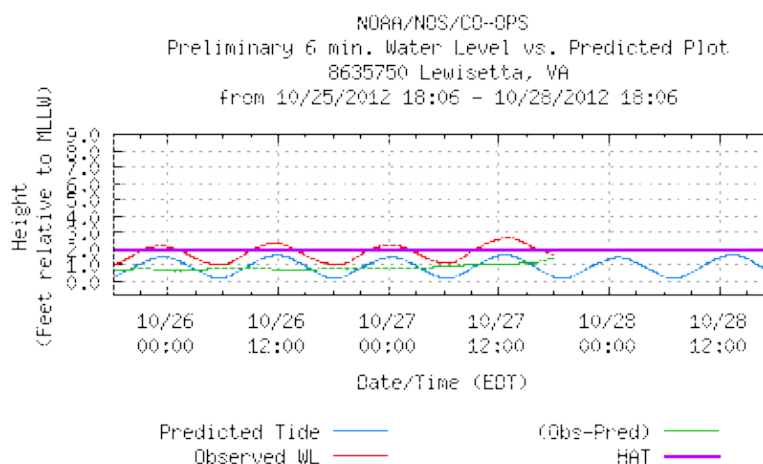
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 1006.0 mb

Lewisetta, VA - Return to List



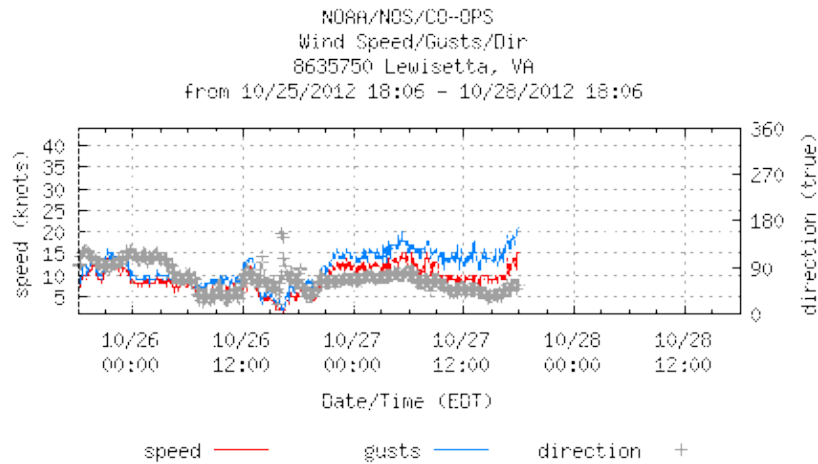
Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 1.67 ft. Predicted: 0.30 ft. Residual: 1.37 ft.**

Historical Maximum Water Level: Sep 1 2006, 4.14 ft. above MHHW



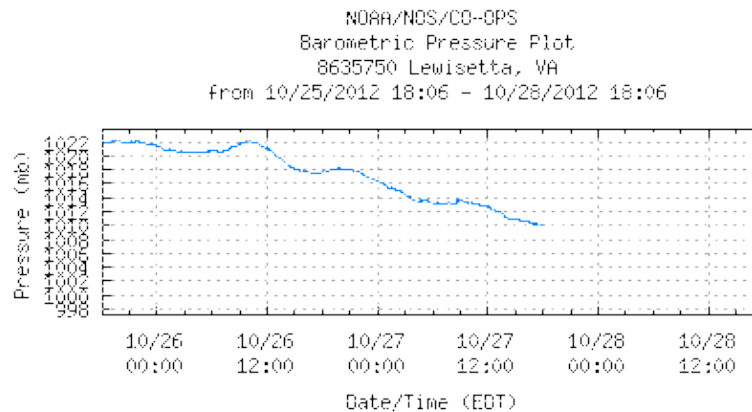
Lewisetta, VA - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Wind Speed: 15 knots Gusts: 21 knots Direction: 54° T

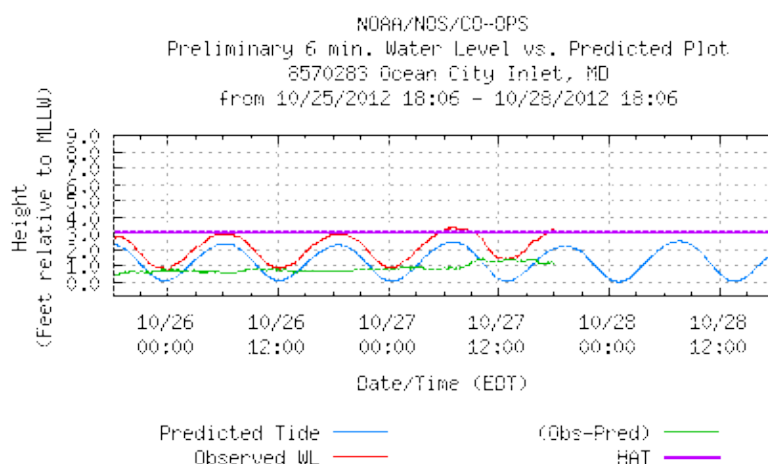
Lewisetta, VA - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 1010.2 mb

Ocean City Inlet, MD - Return to List

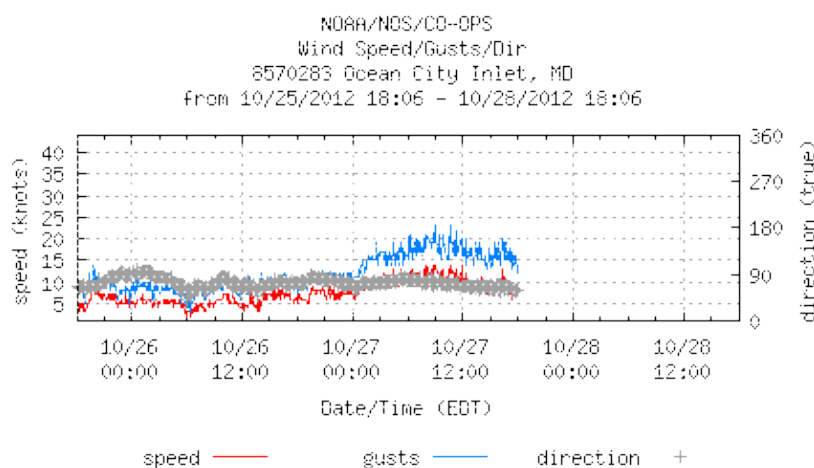


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 3.27 ft.** **Predicted: 2.05 ft.** **Residual: 1.22 ft.**

Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

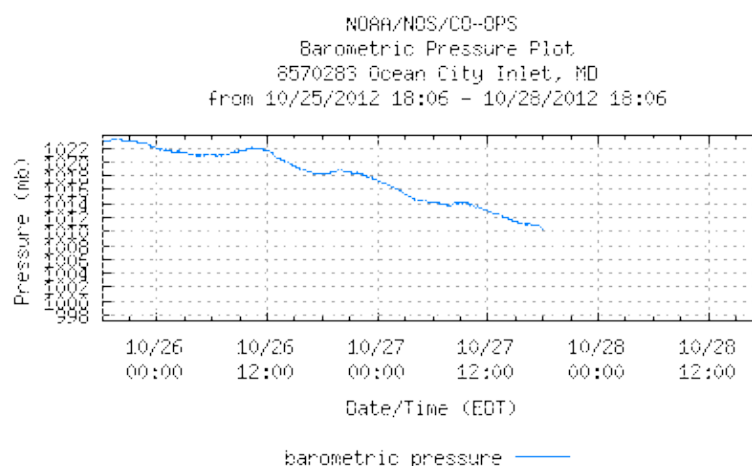
Ocean City Inlet, MD - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

**Wind Speed: 7 knots** **Gusts: 12 knots** **Direction: 58° T**

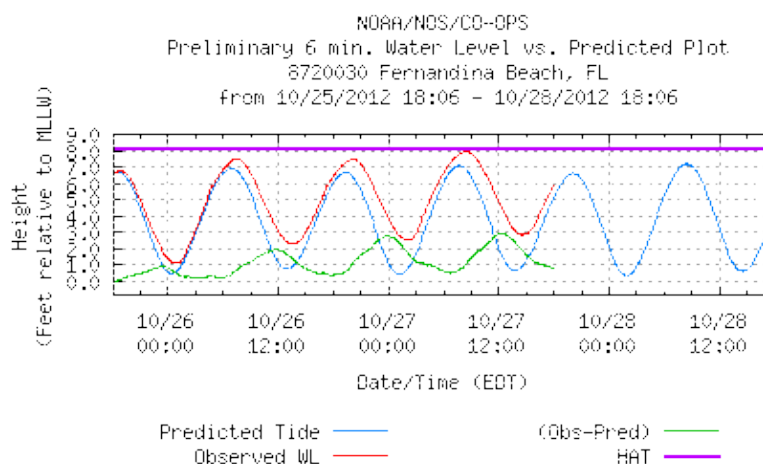
Ocean City Inlet, MD - Return to List



Last Observed Sample: 10/27/2012 17:54 (EDT)

Barometric Pressure: 1010.4 mb

Fernandina Beach, FL - Return to List

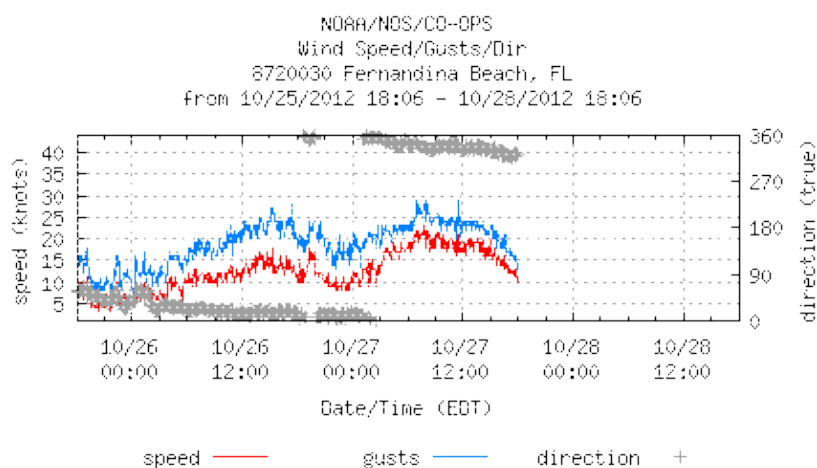


Last Observed Sample: 10/27/2012 17:54 (EDT)

Relative to MLLW: **Observed: 5.89 ft.** **Predicted: 5.06 ft.** **Residual: 0.83 ft.**

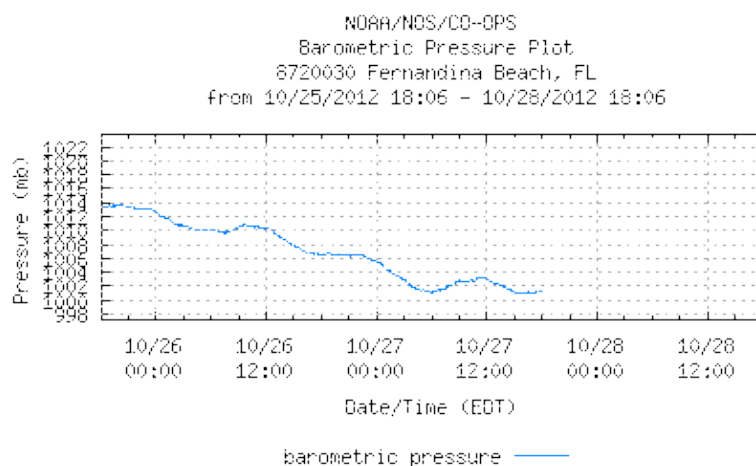
Historical Maximum Water Level: Oct 2 1898, 6.94 ft. above MHHW

[Fernandina Beach, FL - Return to List](#)



Last Observed Sample: 10/27/2012 17:54 (EDT)  
Wind Speed: 10 knots Gusts: 13 knots Direction: 323° T

[Fernandina Beach, FL - Return to List](#)



Last Observed Sample: 10/27/2012 17:54 (EDT)  
Barometric Pressure: 1001.4 mb

Hurricane SANDY QuickLook, POSTED 18:00 EDT 10/27/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce